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CEREAL INVESTIGATIONS
AUG 4 - 1913
RECEIVED

BUREAU OF PLANT INDUSTRY.
OFFICE OF DRY LAND AGRICULTURE.

Washington, D. C.,
Aug. 2, 1913.

REPORT FOR WEEK ENDING JULY 26, 1913.

Akron: Corn is tasseling. Part of it was seriosly injured by drought. Cane and grain sorghums are making a good growth. Precipitation for week, .61 in. maximum temp. 87, min. 53. Mr. R. A. Oakley visited the station during the week.

Amarillo: The weather during the week has been cooler but lack of moisture caused row crops to suffer on all plats except those previously summer-tilled. Milo on summer-tilled land is heading out but will be dwarfed in height. Oats were threshed and yields run from one to nineteen bushels. Mr. Ross, the station superintendent, left on the 26th to visit several of the state and federal stations throughout the plains region. Precipitation for week, .91 in. maximum temperature 95, minimum 56.

Archer: A heavy rain the first of the week caused the small grains to fill nicely excepting some of the barley and winter wheats, which were badly burned before the rain and could not recover. Corn is doing very well and is beginning to tassel. Precipitation for week 1.33 in. maximum temp. 82, min. 49.5. Mr. Grace of the Akron station, and Mr. Clark of the office of Cereal Inves. visited the station on the 22nd.

Ardmore: Most of the oat and part of the wheat plats were harvested this week. Very few of the plats, except those on summer fallow, last year, attained a height sufficient to cut with the binder. In many cases the grain was so short that the plats were clipped with mower and straw left on the ground. Corn has suffered badly during the week and there is very little chance of its producing ears. All varieties of millet have faired rather badly and will produce very poor crops or none at all. Sorghum still has a chance to make a fair crop. Precipitation for week 1.08 in. Maximum temperature 92, minimum 52.

Bellefourche: The week was cool and grain ripened rather slowly though most of the wheat plats were harvested during the week. Wheat seemed to dry up rather than ripen and the heads were quite green when the rest of the plant was dead ripe. It is now four weeks since any rain has fallen but the corn does not seem to be suffering very badly yet. Max. temp. for week 95, min. 47.

Dalhart: The long drought was ended by a rainfall of .58 in. on Wednesday. The rain came too late to be of much help to the more mature of the intertilled crops but the later plantings have been greatly benefitted. A few of the milo and kafir plats are heading but are very short. Precipitation for week .68 in. max. temp. 95, min. 54.

Edgeley: The past week has continued dry with no rainfall, and crops are much in need of moisture to fill well, although nearly all crops are looking well. The wheat and oat plats are ripening, the oats quite rapidly, some of them being about ready to harvest. Maximum temperature for week 87, minimum 40.

Garden City: The weather has been much cooler during the week. All of the F.P. Winter wheat, green manure, spring grain and fallow plats have been plowed, the soil of these plats was rather dry and in a very harsh condition.

Hays: The weather has been a little cooler , but continues dry. Precipitation for week only.11 in. maximum temperature 99, minimum 58.5. Fall plowing was commenced on the stubble plats on the 18th. The ground is very hard and dry, and turns cloddy.

Hettinger: Early oats are ripe and harvest commenced. Some of the wheat has turned and is filling very well, but a good deal depends on the weather for the next few days. Barley is looking fairly well although the foliage is badly fired. Precipitation for week, .18 in. Maximum temp. 90, minimum 42.

Huntley: Harvesting of oats and barley was completed the first of the week. Spring wheat on fall plowed plats was harvested. Threshing of fall wheat has commenced in the vicinity and yields of over thirty bushels have been reported. Corn is in need of moisture. Messrs. Cole and Burr visited the farm on the 21st and 22nd, and Mr. Aune, of Bellefourche station, stopped over the 24th and 25th. Maximum temperature for week, 91, minimum 54. Precipitation .02 inches.

Mandan: Material arrives: 1 car brick, 1 car lime, 1 car plumbing fixtures, 1 car sewer pipe.

Status of the several buildings:- Barn and Machine Shed; the ventilators have been installed and that completes this building. Bunk House: the floors have been laid and the interior finishing work is just about completed. Mess House the 2nd story has received the finishing coat of plaster and the 1st story has received the 1st coat. Office: shingling is nearly completed. 1st Cottage: no further progress since last report, 2nd Cottage: brick work has been completed and the partitions have been begun. Supt's Residence: the brick work is about six feet up the first story. Seed House: Concrete footings have been put in for the basement walls and the forms are being put in for the basement walls.

Some discing has been done on our first breaking. Several tons of hay were made on our upland prairie. No work was done in the other fields and everything is still in the best growing condition.

Mr. H. B. Gould of Washington visited the station this week.

North Platte: A few days of rather cool weather have helped the corn somewhat. Sorghum crops are badly in need of rain. Max. temp. for week 95, min. 59. Precipitation .06 inches.

Scottsbluff: The weather has been cool and unsettled with several showers amounting in all to .31 in. Max. temp. 86, min. 53. All the small grain has been cut except barley which was a total failure. The Farmers' Picnic, held on the 22nd, while not heavily attended, was a big success nevertheless; every one showed a deep interest in the work being done on the station.

Tucumcari: The week has been cooler, max. temp. 95, min. 53. Precipitation .29 in. Corn, cowpeas, cotton and all row crops are making rapid growth.

Williston: The latter part of the week has been cool and very favorable for the complete filling of the grain which is ripening rapidly. Oats will be cut this week. Moisture is running low but there is sufficient to mature the crop, I believe. The second annual Farmer's Day at the station comes July 31st. A two day trip was taken with E. W. Hall of the Better Farming Association into the Cottonwood Lake region and most of the good farmers of that community were visited. An average wheat yield of 12 bushels will probable be obtained. The best wheat seen was on disced corn stubble. Summer fallowing as practiced generally amounts to late summer plowing under of a rank growth of Canadian mustard with no system of tillage following. The few farmers that are making a start in livestock, utilizing their rough land for pasture instead of trying to half farm a large acreage with insufficient power, equipment and capital are making good in every case. Shallow breaking with successively deeper plowing seems to be a good practice. Excellent starts with alfalfa in rows were seen.

Maximum temp. 90, minimum 40. Precipitation .00".

General Notes: The meeting of the Great Plains Cooperative Experiment Association will be held at North Platte on August 20-21-22.

There has been trouble at some stations on account of the superintendents hiring laborers for more than thirty days in any calendar year without appointment, also hiring men for more time than their appointment allowed (temporary appointments for sixty days). Care should be taken to see that the men do not work more than thirty days in any one year without appointment, and appointments of the men should be carefully read and they should not be allowed to work more than the time allowed. We are advised that superintendents will be held financially responsible for mistakes of this character.

In the last weekly news letter information was asked for concerning property owned and men and horses supplied by the cooperating agencies. Please get this information tabulated for future reference.

CRITICAL INVESTIGATIONS
AUG 11 1913
RECEIVED

BUREAU OF PLANT INDUSTRY,
OFFICE OF DRY LAND AGRICULTURE.

Washington, D. C.,
Aug. 9, 1913.

REPORT FOR WEEK ENDING AUGUST 2, 1913.

Akron: The weather the past week has been very favorable for threshing. The highest yield of spring wheat was 12.2 bu. on Rotation 5, nothing but summer fallow making half that much. The highest yield of oats was 20.6 bu. on Rotation 8. Precipitation for the week 0.10 in. Maximum temperature 93, minimum 45. Mr. E. C. Chilcott visited the station on Tuesday.

Amarillo: A shower of .38 inch fell early in the week but was not enough to be of material benefit to the crops. Corn on spring plowed land and plats B and E of the C. C. series is burned too far to recover and will be harvested next week. Corn on the other rotations cannot last much longer without rain. Mr. E. C. Chilcott visited the station on the 2nd. Mr. J. E. Mundell was at the station on the 31st. Max. Temp. 98, minimum 58.

Ardmore: Harvesting of all the small grain plats was finished this week with the exception of summer tilled plats. These plats were so materially benefitted by the rain of .77 inch on the 26th that they will not be ready for harvest until next week. Total precipitation for week .02 inches. Max. temp. 94, minimum 38.

Archer: The week has been somewhat cooler than ordinary. Corn has been making very rapid growth and other grains are ripening fast. Harvest began on the 28th. of July. Yields on all plats cut so far will be low, but spring wheats and some of the later varieties of oats will give better results. Early grains all seem to have been too far advanced to be benefitted by the recent rains, so are very poorly filled and rather short. Flax is making a rapid and uniform growth itself to be very suitable as a sod crop. Maximum temperature 84.5, minimum 44, no precipitation.

Dickinson: The high average temperature for the past week has proved very beneficial to the corn crop and except where the previous crop made a severe drain on the moisture last season, there is every indication for a good corn crop this year. From rough observations it seems safe to predict that fall plowing will produce better this year than spring plowing. Maximum temperature for week 97, minimum 40, precipitation for week 0.02 inches.

Edgeley: The past week has been quite warm and dry with the exception of Monday morning when there was .45 inch rainfall. The grains have been ripening quite fast and harvesting is quite general now. The alfalfa plats were also cut for the second time this year during the week. Maximum temperature 100 degrees, minimum 42, precipitation .45 inch.

Garden City: The weather this week has continued warm and dry. The dry weather has effectually stunted the growth of the sorghums and millet on the dry land plats. Some of the sorghums are heading out at less than two feet in height. Maximum temperature for week 100.5, minimum 56, precipitation 0.22 inch.

Hays: Weather continues dry and hot. Early fall plowing, listing and subsoiling was completed Friday last. Soil moisture samples were taken on 10 new stubble plats which are to receive different methods of preparation for Kafir the coming year. The other moisture and nitrogen samples were taken during the week. Maximum temperature for week 105, minimum 48, precipitation .04 inch.

Huntley: Harvesting of small grain and flax was completed this week with the exception of plat of spring wheat. Maximum temperature for the week 97, minimum 47, precipitation.45 inch.

Mandan: Material arrived: One car of radiators and boilers.

Status of the several buildings: Bunk House: Complete except the hardware has not yet been installed. Mess House: Plastering completed, finishing of second story about completed. Office: Lathing has been started and roof is completed. 1st. Cottage: Brick work is almost completed. 2nd. Cottage: No progress since last report. Supt's Residence: 1st story brick work is completed and the second floor joists have been laid. Asst. Supt. Residence: Front porch has been covered with concrete floor. Seed House: Concrete basement walls about one-third complete.

Some more disking has been done, quite a lot of hay has been put into the barn, and breaking has been started on a 20 acre coulee to be prepared for an alfalfa field. No rain and mostly hot days.

Scottsbluff: The weather has remained cool throughout the week with the exception of one day. Slight indications of frost were noted at different points on the 31st but no damage was done. The high and low yields of wheat ere 24.2 from M.C. F, and 6.3 from Rotation 117. For oats Rotation 19 yielded 52 bus. and Rotation 45 9.7 bus. These are practically the same yields obtained last year. Maximum temperature 91, minimum 37, precipitation .08 inch.

Tucumcari: Most of the week has been dry and warm with considerable wind movement. A number of the crops are beginning to suffer from the drought. The total precipitation for July is .47 in., which is 2.29 in. below the average for 8 years. The moisture determinations show that the crops have about exhausted all the available moisture in the first foot of soil and are drawing heavily upon the second and third feet. Maximum temperature for week 97, minimum 58, precipitation .13 inch.

Bellefourche: Harvesting was finished with the exception of one plat early in the week. The yields of winter wheat varied from 13.7 to 36.5 bu. per acre. Not all the oats have been threshed but those that have been threshed so far average about 25 bu. per acre. A rain of .18 in. fell on July 30th but was too small to be of any benefit. If the drought continues a week longer there will be no corn as the ears do not seem to be forming. Maximum temperature for week 101, minimum 42, precipitation .18 inch.

Williston: Grain is ripening rapidly due to hot dry weather and in many cases a lack of soil moisture. Wheat is filling well. Corn D is now beginning to shoot ahead of the other plats. About 500 people attended the Farmers' Picnic. Maximum temperature 96, minimum 48, precipitation T.

General Notes: In the report for week ending July 19 (sent from this office under date of July 25) under the head of "General Notes", it was stated that the Assistant Chief of the Bureau desired a statement from each office containing the following information concerning the field stations of each office:

Horses and mules on stations owned by the cooperating agency - not Dept.
Vehicles do.
Farm Implements do. (approximately) just the machinery.
Fences (No. of rods and kind of fence).
Number of men and classification of same - outside of Dept.

As the report to the Chief of Bureau is awaiting the receipt of such information in this office from some of the field men, it is requested that such of the men who have not yet forwarded this data will do so as soon as possible.

CEREAL INVESTIGATIONS
AUG 1913
RECEIVED

BUREAU OF PLANT INDUSTRY,
OFFICE OF DRY LAND AGRICULTURE,

Washington, D. C.,
August 15, 1913.

REPORT FOR WEEK ENDING AUGUST 9, 1913:

Akron: Thursday and Friday the winter wheat varieties were threshed. The best yield was from a plot of Karkov which produced at the rate of 23 bu. per acre. This plat however was covered with a deep bank of snow after the blizzard in March. Corn, cane and millet are firing badly. Maximum temperature for week 98, minimum 54, precipitation .05 in.

Amarillo: Unusually calm days with moderate temperatures prevailed the first part of week but the past two days have been warm and windy. Threshing was completed, the highest yield of winter wheat on the farm was 10.8 bushels. Yields on rotations varied from 1.2 to 5 bus. per acre. Seven plats of corn that were fired beyond recovery were harvested with a grain binder and more plats will be harvested next week. Prospects are very poor for a grain sorghum crop and judging from present conditions a light forage yield will be all than can be secured. Maximum temperature 100, minimum 59, precipitation .04 in.

Ardmore: On the 7th .79 in. of rain and hail fell in exactly ten minutes. It was accompanied with considerable wind which with the hail badly damaged crops. It is doubtful if the corn and sorghum will recover. The storm covered only a very small territory and did very little damage to the country as a whole. The worst damage was on the Experiment Farm. Maximum temperature 100, minimum 56, total precipitation .93 in.

Archer: All of the barley plats on the station have been harvested, they being very short and their yields will be very low. Rotation plats are ripening very unevenly, although apparently the soil contains an abundance of moisture to make their ripening more uniform. The weather has been very changeable this week, the maximum temperature being 91, minimum 48.5, total precipitation .36 in.

Bellefourche: Threshing with the exception of one plat of wheat, was finished early in the week. The wheat averaged 11 bus. per acre and the barley 10 bus. The fallow plat of corn is now nearly as tall as the others and has a much better color. All of the plats of corn seem to be forming grain and there are many ears that are in the "roasting ear" stage of growth. Maximum temperature for week 97, minimum 54, precipitation .26 in.

Dalhart: The weather continues dry and hot and all crops are suffering heavily. Unless rain comes within the next few days there will probably be no grain yields on any of the crops. Maximum temperature for the week 101, minimum 56.

Edgeley: Harvesting of the wheat, oats and barley on the rotations was completed last week with the exception of the wheat on rotations 1, 5 and 14. These plats were apparently better supplied with moisture than the other wheat plats and have been ripening considerably slower than the rest, although there has been considerable variation in the ripening of all the plats. The week has been quite cloudy most of the time with one light shower the first part of the week and also on the last two days of the week, and the later grain is beginning to rust considerably. Maximum temp. 95, minimum 46, precipitation .39 in.

Garden City: The weather this week has been rather warm and windy. The continued dry weather is testing the resistance of the different sorghums and is showing the difference in the preparation of the seed bed for the kafir. Maximum temperature 106, minimum 61, no precipitation.

Hays: Continued dry hot weather with daily hot winds. The maximum temperature for every day has not been less than 100 and has ranged from 100 to 108.5, the average maximum being 106, the minimum 64, and the average minimum 68. There has been no precipitation.

Hettinger: The Farm Superintendent made a trip about 50 miles south of Hettinger and as far west as the Slim Buttes. The crop conditions down there this season are much better than at the station but the drought struck the grain just as the heads were filling and although most of the fields look fine many of the heads are poorly filled. The late grain is in the finest kind of condition. Maximum temperature for week, minimum 53, precipitation 1.22 in. The rain during the week is helping the late grain and giving the corn a chance to make excellent growth.

Huntley: The largest rain of the season fell August 8th and 9th, amounting to 1.05 in. This is a great help to corn, some of which is now in the milk. Unless frost occurs unusually early the crop will mature. Maximum temperature for week 93, minimum 50, total precipitation 1.14 in.

Mandan: Material arrived: One car of plaster. Some concrete enforcements, etc. Bunk House: Hardware installed and interior painting and tinting just about completed. Mess House: Interior finishing work complete and varnishing begun. Office: Lathing almost completed. 1st Cottage: Brick work complete and roof on. 2nd Cottage: No progress. Supt's Residence: 2nd story brick work about two-thirds finished. Asst. Supt's Residence: No progress since last report. Seed House: Forms all in for the rest of the concrete work on the basement walls, and concrete will be run in the coming week. Breaking has been continued in the coulee and some more hay has been made. Rainfall .16 of an inch.

North Platte: Very dry and hot weather prevailed during the week. But little plowing done and the ground is very hard and dry. Maximum temperature 104, minimum 60, precipitation .02 in.

Tucumcari: No relief from the drought as yet. Weather still remains dry, hot and windy. Corn, the early planted milo, kafir and broomcorn are suffering badly and are beginning to burn. Maximum temperature 98, minimum 57, precipitation 0. The station was visited on Monday by Governor McDonald of New Mexico and about 100 delegates of the West Texas and Northeastern New Mexico Federation of Commercial Clubs. The visitors were shown the crops and while at the station the Superintendent gave lectures on the various lines of experimental work. Professor Humbert, head of the Agronomy Department of the State College, spent Wednesday at the station looking over the experiments carried on.

Williston: The latter part of the week has been very cool which coupled with the timely rain of Saturday night has saved the late grains which were at the stage where more of last week's hot spell would have ruined them. Wheat has filled out very well. The corn plats are looking well although the hot days started to fire the lower leaves a little. There is a prospect of getting some mature ears this year if frosts do not come earlier than normal. Maximum temperature for week 94, minimum 49, precipitation 1.36 in.

General Notes: Letters of authorization and transportation requests have been furnished to all the field men of this office to attend the meeting to be held at North Platte, Nebraska, August 20 to 22.

Where authority to travel under general operating letters of authority, issued to the men under date of July 1st, included the State of Nebraska and adjoining states necessary to travel through enroute, the holders of such letters were advised to proceed to North Platte under same and were mailed an additional supply of transportation requests.

Such general operating letters of authority as did not include the State of Nebraska and adjoining states, were amended to authorize such travel, and copies of such amendments, together with an additional supply of transportation requests were mailed the men possessing such letters.

Each of the field men who has received no previous letters of authority were furnished copies of letters of authorization and transportation requests to cover the trip to North Platte.

INVESTIGATIONS
AUG 23 1913
RECEIVED

BUREAU OF PLANT INDUSTRY,
OFFICE OF DRY LAND AGRICULTURE.

Washington, D. C.,
August 23, 1913.

REPORT FOR WEEK ENDING AUGUST 16, 1913:

Akron: We have had just enough rain to start the weeds but not enough to put the ground in condition to plow. The station was visited on Monday by the International Phytogeographic Association who are making their annual excursion through the United States. There were about twenty in the party. Precipitation for the week, .81 in. Maximum temperature 93, minimum 56.

Amarillo: Harvested all corn except that on fallow and the listed plats. A few milo and kafir plants at the end of the plats headed out but the entire grain sorghum crops will be almost a failure. Maximum temperature 102, minimum 62, precipitation .07 in.

Archer: Corn has almost quit growing but is forming ears quite rapidly, although it is doubtful whether it will have sufficient time to mature before frost. Flax is ripening rapidly. The moisture content of the soil is running quite low and all crops remaining in the field are suffering slightly. Temperature for the week has been somewhat higher than ordinary, the maximum being 91.5, minimum 48.5. Precipitation .07 in.

Ardmore: Corn, sorghum and millet were injured so badly by the hail storm of August 7 that they will not recover. All the plats of wheat and oats were threshed this week. The highest yield of wheat was 10.5 bus., (winter wheat on summer tilled land). The highest yield of spring wheat was 10.2 bus; the highest yield of oats 20.3 bus; and of barley 11.9 bus. In each case the highest yields were on plats which were summer tilled last season. Maximum temperature for week 100, minimum 51, precipitation .12 in.

Edgeley: The flax in the rotation crops is ripe but not harvested yet, and the yield will be extremely light, the most of the flax being crowded out by brome grass. Some threshing of barley and rye was begun the last of the week but has not become general yet, the harvesting being somewhat retarded by the wet weather the first of the week. Maximum temperature for week 98, minimum 55, precipitation .62 in.

Garden City: The weather has continued warm and dry. The listed fallows for winter wheat and early fall listed plats for winter wheat and green manure were leveled with the lister cultivator. The soil on the fallows was in very fair condition and showed moisture enough to insure germination of the seed while the soil on the early fall listed plats was very harsh and dry, so dry that the color of the soil down as far as stirred was the same as at the surface. Maximum temperature for week 106, minimum 67, precipitation .38 in.

Scottsbluff: The biggest rain of the season occurred on the 11th, when there was a precipitation of 3.30 inches. A good deal of it was lost in the runoff, as 2.25 in. fell in less than an hour. The crops were materially benefitted and the soil put in excellent condition for fall plowing, most of which has been completed. Maximum temperature 92, minimum 55.

North Platte: The past week has been one of severe drought, hot winds have obtained most of the week and what vegetation is left has burned badly. The only thing that has withstood the drought so far is Sudan Grass which looks quite promising under the present conditions. Maximum temp. for week 102, precipitation .34 in.

Tucumcari: Unless relief comes soon crops will be exceedingly short in this region this season and present indications for a good general rain are not very favorable. One plat of the cowpeas was harvested this week. The yield will be in the neighborhood of a ton of hay per acre. One plat of the early planting of corn was harvested the middle of the week, it was pretty badly burned and no yield of grain will be secured from this plat. Maximum temperature for week 99, minimum 63, precipitation .35 in.

Huntley: Threshing was started during the week. Yields of winter wheat were as follows: Maximum yield 52 bu. per acre, MC F, minimum yield 22.6 bu., Rotation 51. Maximum yield of barley 36.3 bu., minimum 19.6 bu. Maximum temperature for the week 92, minimum 45, no precipitation.

CEREAL INVESTIGATIONS
SEP 30 1913
RECEIVED

BUREAU OF PLANT INDUSTRY,
OFFICE OF DRY LAND AGRICULTURE.

Washington, D. C.
August 23, 1913.

REPORT FOR WEEK ENDING AUGUST 30, 1913:

Akron: Finished threshing oat and barley varieties on Friday. The highest yield of oats was 46.9 bu. and of barley 33.3 bu. per acre. The yields were fair in all varieties. Corn and cane are drying up rapidly. Maximum temperature for the week 98, minimum 65, precipitation .04 in.

Amarillo: The extreme dry weather continues although it has been threatening to rain the past few days. The corn yields varied from 30 to 108 pounds of fodder per plat. The milo on summer tilled plat would have yielded about 10 bushels of grain per acre but it was entirely destroyed by birds. Maximum temperature for week 97, minimum 61, precipitation .34 in.

Archer: A hailstorm on August 16th shattered the corn leaves very badly, but it is still growing and the ears are in about the roasting ear stage. Plowing was begun this week for winter grains and for next years fallow. There is enough moisture in the first 8 inches to make plowing fairly easy, but below this the soil is very dry; hence fall plowing is rather shallow. Maximum temperature 92.5, minimum 49, precipitation .32 in.

Dalhart: The weather continues dry but cooler. All crops have stopped and only a few of the kafir and milo plats on land previously fallowed are heading. These are being heavily damaged by the birds and it is doubtful if any grain yields are secured. Maximum temperature 97, minimum 59, precipitation .32 in.

Dickinson: The weather conditions for the past two weeks has been favorable for the corn crop and without doubt the yield this year will be better than the average. At any rate we are sure of a large percentage of mature ears. Among our varieties Northwestern Dent looks better than any other variety. Maximum temperature for the week 94, minimum 42, precipitation, T.

Edgeley: All the small grains at the station were threshed last week. The yields on the rotations ranged as follows: Wheat , from 12.1 on MC B to 37.1 bu. on Rotation 72; Oats, from 8.7 bu. on Rotation 42 to 82.1 bu. on Rotation 72 H; Barley, from 17.9 bu. on MC A to 37 bu. on Rotation 7. The flax was a total failure and not harvested at all. Maximum temperature 87, minimum 47, precipitation 0.

Garden City: The weather here this week has been warm and dry. The millet on fallow made a fair yield but that on plats cropped last year was a total failure. The kafir, milo and cane on fallow are standing the drought fairly well but the growth is small while the dorghum on the plats cropped every year are firing badly. Maximum temperature 102.5, minimum 57.0, precipitation 0.

Hays: Dry and hot weather continues without any noticeable change. Only two days during the week did the maximum fail to reach or pass 100 mark; in fact there has been only four days within the past three weeks when the 100 degree mark was not reached. Maximum temperature for the week 105, minimum 49.

Hettinger: No work has been done on the plats during the week as all the small grain has been harvested and the corn is not quite ready to harvest. It is ripening in fine shape and another week of good weather will be sufficient to complete the ripening. The grain on the large fields has been threshed. Oats yielded 35 bus., wheat 15 and hulless barley 15 bus. These yields are fairly representative for those through this part of the state.

Huntley: Threshing has been completed. Maximum yield for oats 65 bus. on Rotation 116, minimum yield 32.1 bus. on Rotation 1. Corn is ripening very rapidly, that on fall plowing being at least a week earlier than that on spring. Indications are that the spring plowing will outyield the fall plowing.

Tucumcari: The plats planted to Red Amber and Black Amber sorghum and four plats of the White Amber sorghum were harvested this week. The average height of the crops on these plats will range from 4 to 5½ feet, and while the heads were fairly well filled the yields being lighter that that secured last year. The Rice Birds are doing considerable damage to the milo and kafir crops at this time. Reports received from different parts of the country nearby state that the damage from birds to the crops will be very heavy this season. Some successful method of combating them would be welcomed by the farmers in this section.